

# Biomedical Sciences, Minor

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**Chairperson: David Baker, Ph.D.**

Department of Biomedical Sciences website (<https://www.marquette.edu/biomedical-sciences/>)

The biomedical sciences minor is designed to enable students in a variety of majors to explore human- and medically-oriented courses in areas such as anatomical sciences, biochemistry, genetics, microbiology, neuroscience, pathology, pharmacology and physiology. The minor enhances students' preparation for a variety of careers and/or graduate study in health-related professions and enriches undergraduate students involvement in biomedical science research.

## Biomedical Sciences Minor

Requires 18 credit hours. All courses in the minor must be completed with grades of C- or higher and an overall grade point average of 2.000.

Code	Title	Hours
BISC 1035	Principles of Human Anatomy	4
BISC 2070	Biochemistry for the Health Professions	3
BISC 3110	Nutritional Aspects of Health	3
BISC 3112	Head and Neck Anatomy	3
BISC 3115	Human Microbiology	3
BISC 3135	Clinical Human Anatomy	4
BISC 3150	General Pathology	3
BISC 3213	Biochemistry	4
BISC 3850	Systems Neuroscience	3
BISC 3859	Evolution	3
BISC 4010	Neuroeconomics: The Neuroscience of Decision Making	3
BISC 4020	Molecular Neuroscience	3
BISC 4120	Pharmacology	3
BISC 4140	Functional Neuroanatomy	3
BISC 4145	Human Physiology	4
BISC 4147	Human Physiology Laboratory	1
BISC 4160	Molecular Pathology	3
BISC 4165	Microbiology Laboratory	1
BISC 4173	Principles of Human Embryology	3
BISC 4210	Biology of Aging	3
BISC 4325	Endocrinology	3
BISC 4340	Human and Applied Medical Genetics	3
BISC 4342	Epigenetics and Human Disease	3
BISC 4514	Human Microanatomy	4
BISC 4931	Topics in Biomedical Sciences	1-3
BISC 4995	Independent Study in Biomedical Sciences (Maximum of 3 credits applied toward the minor)	1-6
MLSC 2200	Concepts in Medical Laboratory Science	3

A maximum of nine transfer credit hours can be applied toward the requirements for a minor.

BISC 1035 Principles of Human Anatomy (offered spring term) fulfills the anatomy prerequisite for many courses in the minor. For students in majors that don't require 4 credits of organic chemistry BISC 2050 Organic Chemistry for the Health Sciences (offered fall term) and BISC 2070 Biochemistry for the Health Professions (offered spring term) fulfill the organic chemistry and biochemistry prerequisites for most other BISC minor courses. Students should plan to take these three courses first to best navigate the minor.

## University Policies

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- Academic Censure - Undergraduate (<https://bulletin.marquette.edu/policies/academic-censure/undergraduate/>)
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- Academic Misconduct (<https://bulletin.marquette.edu/policies/academic-misconduct-policy/>)
- Academic Program Definitions (<https://bulletin.marquette.edu/policies/academic-programs-defined/>)

- Academic Standing (<https://bulletin.marquette.edu/policies/academic-standing/>)
- Accelerated Degree Programs (<https://bulletin.marquette.edu/policies/accelerated-degree-programs/>)
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- Commencement (<https://bulletin.marquette.edu/policies/commencement/>)
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- Credit Load - Undergraduate (<https://bulletin.marquette.edu/policies/credit-load/undergraduate/>)
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- Grade Appeals (<https://bulletin.marquette.edu/policies/grade-appeals/>)
- Grading System - Undergraduate and Health Science Professional (<https://bulletin.marquette.edu/policies/grading-system/undergraduate-healthscienceprofessional/>)
- Graduation - Undergraduate (<https://bulletin.marquette.edu/policies/graduation/undergraduate/>)
- Immunization and Tuberculosis Screening Requirements (<https://bulletin.marquette.edu/policies/immunization-and-tuberculosis-screening/>)
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## College of Health Sciences Policies

- Academic Dismissal/Probation/Academic Alert (<https://bulletin.marquette.edu/health-sciences/policies/dismissal-probation-alert/>)
- Dean's List Criteria (<https://bulletin.marquette.edu/health-sciences/policies/deans-list-criteria/>)
- Degrees Offered (<https://bulletin.marquette.edu/health-sciences/policies/degrees-offered/>)